

Form 1.3-1 Examination Security Agreement

(1) Preexamination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 12/14 - 12/15/23 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until the completion of examination administration, except as specifically noted below or authorized by the NRC. Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations, an enforcement action by the NRC against me or the facility licensee, or both. I will immediately report to facility licensee management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

(2) Postexamination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 12/14 - 12/15/23. From the date that I entered into this examination security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below or authorized by the NRC.

	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	SETH MITTEN	EXAM AUTHOR	<i>[Signature]</i>	2/2/23	C. Bahl For S. Mitten	12/15/23	
2.	EVAN STONE	Sim. Coord.	<i>[Signature]</i>	2/2/23	C. Bahl For E. Stone	12/15/23	
3.	Darren Wegner	Software Engineer	<i>[Signature]</i>	2/2/23	C. Bahl For D. Wegner	12/15/23	
4.	Chris Bahl	Exam Author	<i>[Signature]</i>	2/2/23	C. Bahl	12/15/23	
5.	RACHEL SMOLINSKY	technical clerk	<i>[Signature]</i>	2/3/23	C. Bahl For R. Smolinsky	12/15/23	
6.	DAN MOREN (email)	Reg Exam EPOR	<i>[Signature]</i>	2/3/23	C. Bahl For D. Moren	12/15/23	
7.	SAGAR PATEL	SRO	<i>[Signature]</i>	3/8/23	C. Bahl For S. Patel	12/15/23	
8.	Stuart McDonald	Software Engineer	<i>[Signature]</i>	5/1/23	C. Bahl For S. McDonald	12/15/23	
9.	Scott Messner	IT Manager	<i>[Signature]</i>	5/24/23	C. Bahl For S. Messner	12/15/23	
10.	JANETT GREEN	CRS Supv	<i>[Signature]</i>	5/25/23	C. Bahl For S. Messner	12/15/23	
11.	Richard Wagner	Sr. Mgr Ops Support Services	<i>[Signature]</i>	6/13/23	C. Bahl For R. Wagner	12/15/23	
12.	Orlando Credendino	CRS	<i>[Signature]</i>	6/29/23	C. Bahl For O. Credendino	12/15/23	
13.	John Young	SRO	<i>[Signature]</i>	6/29/23	C. Bahl For J. Young	12/15/23	

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(2) Postexamination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 12/4-12/14/23 From the date that I entered into this examination security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below or authorized by the NRC.

	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	Dave Holcomb	RO		6/29/23	C. Bohl For D. Holcomb	12/15/23	
2.	John Heidelberg	RO		6/29/23	C. Bohl For J. Heidelberg	12/15/23	
3.	SD Williamson	SRO		8/3/23	C. Bohl For J. Williamson	12/15/23	
4.	Jordan Gall	SRO		8/14/23	C. Bohl For J. Gall	12/15/23	
5.	William Harding	SRO		8-14-23	C. Bohl For W. Harding	12/15/23	
6.	Brian Peten	RO		8-15-23	C. Bohl For B. Peten	12/15/23	
7.	Daniel Nugent	SRO		8/16/23	C. Bohl For D. Nugent	12/15/23	
8.	Dave Warner	RO		8/16/23	C. Bohl For D. Warner	12/15/23	
9.	Dan Semeter	MOI		8/16/23	C. Bohl For D. Semeter	12/15/23	
10.	KEVIN CRAIG	RO		9/1/23	C. Bohl For K. Craig	12/15/23	
11.	Kaitlyn Wagner	SRO		9/7/23	C. Bohl For K. Wagner	12/15/23	
12.	Nicholas Lampe	SRO		9/8/23	C. Bohl For N. Lampe	12/15/23	
13.	Coily Savage	SRO		9/15/23	C. Bohl For C. Savage	12/15/23	

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(2) Postexamination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 12-4-23 to 12/11/23 from the date that I entered into this examination security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below or authorized by the NRC.

	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	DAVID MONAHAN	CONTRACTOR	[Signature]	9/25/23	as		
2.	Robert Brown	SRC	[Signature]	9/25/23	as		
3.	Melissa Piston	SRO	Melissa Piston	9/25/23	as		
4.	Andrew Wages	SRC	Andrew Wages	9/25/23	as		
5.	Ben Nardony	SRO	[Signature]	9/25/23	as		
6.	Chris B. Vekhart	Regulatory Exam Expert	[Signature]	9/27/23	C. Bill For C. Burhart	12/15/23	
7.	TODD SUTKINS	CONTRACTOR	[Signature]	12/14/23	as		
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	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	DAVID MONAHAN	CONTRACTOR		9/25/23	C. Bell For D. Monahan	12/15/23	
2.	Robert Brown	SRC		9/25/23	C. Bell For B. Brown	12/15/23	
3.	Melissa Piston	SRO		9/25/23	C. Bell For M. Piston	12/15/23	
4.	Andrew Wages	SRC		9/25/23	C. Bell For A. Wages	12/15/23	
5.	Ben Nubling	SRO		9/25/23	C. Bell For B. Nubling	12/15/23	
6.	Bill Lewis	Ops Director		9/28/23	C. Bell For B. Lewis	12/15/23	
7.	Benjamin M. Lawers	Instructor		10/2/23	C. Bell For B. Lawers	12/15/23	
8.	Mike Vinciguerra	OPS RD		10/4/23	C. Bell For B. M. Vinciguerra	12/15/23	
9.	JEFFREY KITZMILLER	OPS RD		10/10/23	C. Bell For J. Kitzmiller	12/15/23	
10.	MICHAEL DAVIS	EP MANAGER		10/16/2023	C. Bell For M. Davis	12/15/23	
11.	J. JAYMAJ ALLIS	OPSRD		11/17/23	C. Bell For J. Allis	12/15/23	
12.	Kristen Lauria	Instructor		12/1/23	C. Bell For K. Lauria	12/15/23	
13.	JOHN MERCATO	OPS INSTRUCTOR		12/1/23	C. Bell For J. Mercato	12/15/23	

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	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	Tim Kan	ILT INSTRUCTOR		12/1/23	C. Bill For T. Kan	12/15/23	
2.	Joshua Chau	ILT INSTRUCTOR		12/1/23	C. Bill For J. Chau	12/15/23	
3.	MICHAEL A. CRAMER	ILT CONTRACTOR		12/1/23	C. Bill For M. Cramer	12/15/23	
4.	Franklin C. Brown	Instructor		12/4/23	C. Bill For F. Brown	12/15/23	
5.	Scott Miller	Instructor		12/4/23	C. Bill For S. Miller	12/15/23	
6.	Jim Ritchie	Instructor		12/4/23	C. Bill For J. Ritchie	12/15/23	
7.	Mehil Cavin	Instructor		12/4/23	C. Bill For M. Cavin	12/15/23	
8.	David S. Hall	Lead Instr.		12/4/23	C. Bill For D. Hall	12/15/23	
9.	Andrew Spera	Instructor		12/4/23	C. Bill For A. Spera	12/15/23	
10.	Tommy Strickes	CONTRACTOR		12/5/23	C. Bill For T. Strickes	12/15/23	
11.	Keith Strussler	SOS		12/5/23	C. Bill For K. Strussler	12/15/23	
12.	Siavan Cassidy	Instructor		12/5/23	C. Bill For S. Cassidy	12/15/23	
13.	Jeffrey Wade Hays	Instructor		12/5/23	C. Bill For J. Walton	12/15/23	

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	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	Ryan Harris	Sr. Manager Training	[Signature]	12/6/23	C. Bill for R. Harris	12/15/23	
2.	Tom Castle	Ops instructor	[Signature]	12/8/23	C. Bill for T. Castle	12/15/23	
3.	John Harkins	Ops instructor	[Signature]	12/14/23	C. Bill for J. Harkins	12/15/23	
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	Print Name	Job Title	Signature (1)	Date	Signature (2)	Date	Note
1.	CASSIDY COYLE	SHIFT MANAGER	<i>[Signature]</i>	12/04/23	C. Bihal For C. Coyle	12/15/23	
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Form 2.1-1 Examination Preparation Checklist

Facility: Limerick Units 1 and 2		Date of Examination: 12/4/2023
Developed by: Written: Facility / Operating: Facility		
Target Date*	Task Description	Chief Examiner's Initials
-240	1. Examination administration date confirmed (A.1-5). For NRC-prepared examinations, arrangements are made for the facility licensee to submit reference materials (B.4, C.4.g and F).	4/8/2023
-210	2. NRC examiners and facility licensee contact assigned (B.1 and C.1-3).	5/8/2023
-210	3. Facility licensee contact briefed on examination security and other requirements (D.4). As applicable, the facility licensee contact submits to the NRC any prescreened K/As for elimination from the written examination outline, with a description of the facility licensee's prescreening process (ES-4.1 A.1.a and ES-4.1 B.2).	5/8/2023
-210	4. Reference material due for NRC-prepared examinations (F).	N/A
-210	5. Examination kick-off call held (C.4). The NRC sends the corporate notification letter (A.5).	5/8/2023
-195	6. Written examination outline developed by the NRC and sent to the facility licensee contact (must be on the examination security agreement) (B.2, ES-4.1 A.1.b and ES-4.1 A.2.a).	5/23/2023
-150	7. Operating test outlines and checklists due: Forms 1.3-1, 2.3-1, 3.2-1, 3.2-2, 3.3-1, and 3.4-1, as applicable (B.6). Facility licensee provides a draft operating test administration schedule to the NRC (B.18).	7/7/2023
-136	8. Operating test outlines reviewed by the NRC and feedback provided to the facility licensee (ES-2.3).	7/21/2023
-100	9. NRC-prepared examinations approved by the NRC supervisor and forwarded for facility licensee review (ES-2.3).	N/A
-75	10. Proposed examinations (written, JPMs, and scenarios, as applicable) and outline forms; quality checklists and supporting documentation (including Forms 2.3-2 and 2.3-4 and any Form 2.3-1, 1.3-1, and 3.4-1 updates); and reference materials due.	9/20/2023
-60	11. Preliminary waiver/excusal requests due (ES-2.2 E.1).	10/5/2023
-50	12. Written examination and operating test reviews completed (ES-2.3). The NRC supervisor's authorization to proceed with the facility review granted (ES-2.3 D).	10/15/2023
-50	13. Examination review results discussed between the NRC and the facility licensee (B.14).	10/15/2023
-35	14. Examination preparatory week conducted by the NRC and the facility licensee (I).	10/30/2023
-30	15. Preliminary license applications, including any waiver/excusal requests, due (ES-2.2 C.1).	11/4/2023
-14	16. Final license applications, including any waiver/excusal requests, due and Form 2.2-1 prepared (ES-2.2 C and E).	11/20/2023
-7	17. Written examinations and operating tests approved by the NRC supervisor (C.9)	11/27/2023
-7	18. Facility licensee management feedback on the examination requested by the NRC supervisor (C.10).	11/27/2023
-7	19. Final applications reviewed; 10% of applications audited to confirm qualifications/eligibility (ES-2.2 G); and examination approval letter (Letter 2.3-1) and waiver/excusal letters sent.	11/27/2023
-7	20. Written examination administration guidelines reviewed with the facility licensee (D.14).	11/27/2023
-7	21. Approved scenarios and job performance measures distributed to NRC examiners (D.12).	11/27/2023

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* Target dates are based on facility licensee-prepared examinations and the examination date identified in the corporate notification letter. These dates are for planning purposes and may be adjusted in coordination with the facility licensee.

Form 2.3-1 Examination Outline Quality Checklist

Facility: Limerick		Date of Examination: 12/04/23		
Item	Task Description	(Y)es / (N)o		
		a	b*	c#
WRITTEN	a. The outline was systematically and randomly prepared in accordance with the instructions in Section B of ES-4.1, and all knowledge and ability (K/A) categories are appropriately sampled.	CS		CML
	b. The outline does not overemphasize any systems, evolutions, or generic topics.	CS	RW	CML
	c. Justifications for deselected or rejected K/A statements are acceptable.	CS	RW	CML
SIMULATOR	a. Using Form 3.4-1, Events and Evolutions Checklist, verify that the proposed scenario set contains the required number of normal evolutions, reactivity evolutions, instrument and component failures, manual control evolutions, technical specifications, and major transients.	CS	RW	TCS
	b. There are enough scenarios (and spares) for the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity. Ensure that scenarios will not be repeated on subsequent days.	CS	RW	TCS
	c. Ensure that all scenarios are new or significantly modified in accordance with ES-3.4 and that no scenarios are duplicated from the applicants' audit test(s).	CS	RW	TCS
	d. To the extent possible, assess whether the outline(s) conforms with the qualitative and quantitative simulator set criteria specified on Form 2.3-2.	CS	RW	TCS
JPMS	a. Verify that the administrative outline meets the criteria specified in the instructions on Form 3.2-1 and that no tasks are duplicated from the applicants' audit test(s).	CS	RW	TCS
	b. Verify that the control room and in-plant systems outline meets the criteria specified in the instructions on Form 3.2-2 and that no tasks are duplicated from the applicants' audit test(s).	CS	RW	TCS
	c. Determine whether the number of job performance measures (JPMs) and JPM types is sufficient for the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	CS	RW	TCS
GENERAL	a. Assess whether the appropriate exam sections cover plant-specific priorities (including probabilistic risk assessment and individual plant examination insights).	CS	RW	TCS
	b. Assess whether the 10 CFR 55.41, 10 CFR 55.43, and 10 CFR 55.45 sampling is appropriate.	CS	RW	TCS
	c. Check whether K/A importance ratings (except for plant-specific priorities) are greater than or equal to 2.5.	CS	RW	TCS
	d. Check for duplication and overlap across the exam and with the last two NRC exams.	CS	RW	TCS
	e. Check the entire exam for balance of coverage.	CS	RW	TCS
	f. Assess whether the exam fits the appropriate job level (reactor operator or senior reactor operator).	CS	RW	TCS
a. Author	Chris Bihl / <i>Chris Bihl</i>	Date	6/28/23	
b. Facility Reviewer (*)	Richard Wagner / <i>Richard Wagner</i>	Date	6/28/23	
c. NRC Reviewer (#)	Christopher Lally / <i>Chris M. Lally</i>	Date	12/15/2023	
NRC Chief Examiner	Thomas Setzer / <i>Thomas C. Setzer</i>	Date	12/15/2023	
NRC Supervisor	Donald Jackson / <i>Donald E. Jackson</i>	Date	12/15/2023	
* The facility licensee signature is not applicable for NRC-developed tests.				
# An independent NRC reviewer performs the steps in column "c." This may be the NRC Chief Examiner if he/she did not develop the outline under review.				

Form 2.3-2 Operating Test Quality Checklist

Facility: Limerick	Date of Examination 12/04/23	Operating Test Number: 1		
General Criteria		(Y)es / (N)o		
		a	b*	c#
a.	The operating test meets the criteria on the associated test outline.	B	R	TCS
b.	There are enough test items so that test items will not be repeated on more than 1 day of the operating test.	B	R	TCS
c.	The operating test does not duplicate items from the applicants' audit test(s).	B	R	TCS
d.	Overlap with the written examination and between different parts of the operating test is minimized.	B	R	TCS
e.	If appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	B	R	TCS
Walkthrough Criteria				
a.	Each job performance measure (JPM) includes the following, as applicable: <ul style="list-style-type: none"> task standard initial conditions initiating cues references and tools, including associated procedures reasonable and validated time limits (average time allowed for completion) and specific designation if the facility licensee deems it to be time critical alternate path JPMs are labeled as "alternate path" operationally important specific performance criteria that include the following: <ul style="list-style-type: none"> detailed expected actions with exact criteria and nomenclature system response and other examiner cues statements describing important observations to be made by the applicant criteria for successful completion of the JPM task standard identification of critical steps and their associated performance standards restrictions on the sequence of steps, if applicable 	B	R	TCS
b.	Ensure that any changes from the previously approved JPM outlines (Forms 3.2-1 and 3.2-2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last two NRC examinations) specified on those forms.	B	R	TCS
Simulator Scenario Set Criteria for Scenario Numbers: 2166 / 3160 / 7018				
QUALITATIVE ATTRIBUTES				
1.	The initial conditions are realistic in that some equipment and/or instrumentation may be out of service, but it does not cue the operators into expected events.	B	R	TCS
2.	The scenarios consist mostly of related events.	B	R	TCS
3.	Each event description consists of the following: <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) or conditions that are entered to initiate the event the symptoms/cues that will be visible to the crew the expected operator actions (by shift position) the event termination point (if applicable) 	B	R	TCS

QUALITATIVE ATTRIBUTES (continued)		(Y)es / (N)o			
		a	b*	c#	
4.	The events are valid with regard to physics and thermodynamics.	B	R	TCS	
5.	The sequencing and timing of events is reasonable and allows the examination team to observe and evaluate applicant performance.	B	R	TCS	
6.	If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.	B	R	TCS	
7.	The simulator modeling is not altered.	B	R	TCS	
8.	The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies or deviations from the referenced plant have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.	B	R	TCS	
9.	Scenarios are new or significantly modified in accordance with ES-3.4.	B	R	TCS	
10.	Scenarios (as grouped) allow each applicant to be significantly involved in the minimum number of transients, events, and evolutions specified on the version of Form 3.4-1 submitted with the scenario set.	B	R	TCS	
11.	Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.	B	R	TCS	
12.	The level of difficulty is appropriate to support licensing decisions for each crew position.	B	R	TCS	
TARGET QUANTITATIVE ATTRIBUTES per Scenario (See ES-3.4)		Actual Attributes by Scenario No. 2166 / 3160 / 7018	(Y)es / (N)o		
			a	b*	c#
1.	Malfunctions after emergency operating procedure (EOP) entry (1-2)	3 / 3 / 2	B	R	TCS
2.	Abnormal events (2-4)	4 / 4 / 5	B	R	TCS
3.	Major transients (1-2)	1 / 2 / 1	B	R	TCS
4.	EOPs entered/requiring substantive actions (1-2)	1 / 2 / 1	B	R	TCS
5.	Entry into a contingency EOP with substantive actions (≥ 1 per scenario set; set is the entire set of scenarios prepared for the scheduled exam)	1 / 1 / 1	B	R	TCS
6.	Preidentified critical tasks (≥ 2)	2 / 3 / 3	B	R	TCS
		Printed Name/Signature		Date	
a.	Author	<u>Christopher Bihl / <i>Christopher Bihl</i></u>		<u>9/28/23</u>	
b.	Facility Reviewer (*)	<u>Richard Wagner / <i>Richard Wagner</i></u>		<u>9/28/23</u>	
c.	NRC Reviewer (#)	<u>Thomas Setzer</u>	<u><i>Thomas C. Setzer</i></u>	<u>12/15/2023</u>	
	NRC Chief Examiner	<u>Thomas Setzer</u>	<u><i>Thomas C. Setzer</i></u>	<u>12/15/2023</u>	
	NRC Supervisor	<u>Donald Jackson</u>	<u><i>Donald E. Jackson</i></u>	<u>12/15/2023</u>	
* The facility licensee signature is not applicable for NRC-developed tests.					
# An independent NRC reviewer performs the steps in column c. This may be the NRC Chief Examiner if he/she did not develop the operating test under review.					

Form 2.3-4 Written Examination Quality Checklist

Facility: Limerick		Date of Exam: 12/04/23		Exam Level: RO X		SRO X	
Item Description				(Y)es / (N)o			
				a	b*	c#	
1. Questions and answers are technically accurate and applicable to the facility. Each question includes a technical reference.				B	RW	TCS	
2. a. All questions reference NRC knowledge and abilities (K/As) requirements. b. Facility learning objectives are referenced as available. c. All questions include an explanation of the correct answer explanation and a distractor analysis.				B	RW	TCS	
3. Senior reactor operator (SRO) questions test at the SRO license level.				B	RW	TCS	
4. The sampling process was random and systematic. (If more than four reactor operator (RO) or two SRO questions were repeated from the last two NRC licensing exams, including full (100-question) retake examinations, consult the NRC Office of Nuclear Reactor Regulation operator licensing program office.)				B	RW	TCS	
5. Question duplication from the licensee screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input type="checkbox"/> The audit exam was systematically and randomly developed. <input type="checkbox"/> The audit exam was completed before the license exam was started. <input type="checkbox"/> The examinations were developed independently. <input checked="" type="checkbox"/> The licensee certifies that there is no duplication. <input type="checkbox"/> Other (explain):				B	RW	TCS	
6. Bank use meets limits (no more than 75% from the bank, at least 10% new (at the comprehension/analysis level), and the rest new or modified); enter the actual RO/SRO-only question distribution >				Bank	Modified	New	-
				28 / 2	0 / 0	47 / 23	B
7. Between 38 and 45 questions of the questions on the RO exam and at least 13 of the questions on the SRO-only portion of the exam are written at the comprehension/analysis level; enter the actual RO/SRO-only question distribution >				Memory		CIA	
				34 / 5		41 / 20	B
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				B	RW	TCS	
9. Question content conforms to specific K/A statements in the previously approved examination outline and is appropriate for the K/A statements' assigned tier; deviations are justified.				B	RW	TCS	
10. Question psychometric quality and format meet the instructions and guidelines in ES-4.2.				B	RW	TCS	
11. The exam contains the required number of one-point, multiple-choice items; the total is correct and agrees with the value on the cover sheet.				B	RW	TCS	
Printed Name/Signature				Date			
a. Author	Chris Bihl / C. P. Bihl			9/28/23			
b. Facility Reviewer (*)	Richard Wagner / Richard Wagner			9/28/23			
c. NRC Reviewer (#)	Thomas Setzer / Thomas C. Setzer			12/15/2023			
NRC Chief Examiner	Thomas Setzer / Thomas C. Setzer			12/15/2023			
NRC Regional Supervisor	Donald Jackson / Donald E. Jackson			12/15/2023			
* The facility licensee signature is not applicable for NRC-developed tests.							
# An independent NRC reviewer performs steps in column c. This may be the NRC Chief Examiner if he/she did not develop the written examination under review.							

Form 3.4-1 Events and Evolutions Checklist

Facility: LGS		Date of Exam: 12/04/23											Operating Test No.: 1					
A P P L I C A N T	E V E N T T Y P E	Scenarios													T O T A L	M I N I M U M*		
		1 (SEG-2166E)			2 (SEG-3160E)			3 (SEG-7018E)										
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	R		I	U	
SRO-U (1)	RX													0	1	1	0	
	NOR	1												1	1	1	1	
	I/C	2,3,4,5 7, 8, 9												7	4	4	2	
	MAJ	6												1	2	2	1	
	Man. Ctrl													0	1	1	0	
	TS	2,3												2	0	2	2	
SRO-I (1)	RX							1						1	1	1	0	
	NOR	1												1	1	1	1	
	I/C	2,3,4,5 7, 8, 9				3,4,5, 8,10		3,4,5, 7						16	4	4	2	
	MAJ	6				6,7		6						4	2	2	1	
	Man. Ctrl					4		8						2	1	1	0	
	TS	2,3												2	0	2	2	
SRO-I (2)	RX					1								1	1	1	0	
	NOR	1												1	1	1	1	
	I/C	2,3,4,5 7, 8, 9				2,5,6,9								11	4	4	2	
	MAJ	6				6,7								3	2	2	1	
	Man. Ctrl					2,9								2	1	1	0	
	TS	2,3												2	0	2	2	
SRO-I (3)	RX							1						1	1	1	0	
	NOR			1										1	1	1	1	
	I/C			3,4,5, 7,9	2,3,4,5, 8,9 10				3,4,5, 7					16	4	4	2	
	MAJ			6	6,7			6						4	2	2	1	
	Man. Ctrl			3,4,7				8						4	1	1	0	
	TS				3,4									2	0	2	2	
SRO-I (4)	RX		4											1	1	1	0	
	NOR													0	1	1	1	
	I/C		2,3,5, 8		2,3,4,5, 8,9 10									11	4	4	2	
	MAJ		6		6,7									3	2	2	1	
	Man. Ctrl		8											1	1	1	0	
	TS				3,4									2	0	2	2	

Form 3.4-1 Events and Evolutions Checklist

Facility: LGS		Date of Exam: 12/04/23											Operating Test No.: 1					
A P P L I C A N T	E V E N T T Y P E	Scenarios													T O T A L	M I N I M U M*		
		SEG-2166E			SEG-3160E			SEG-7018E										
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	R		I	U	
SRO-I (5)	RX														0	1	1	0
	NOR			1											1	1	1	1
	I/C			3,4,5, 7,9	2,3,4,5, 8,9,10										12	4	4	2
	MAJ			6	6,7										3	2	2	1
	Man. Ctrl			3,4,7											3	1	1	0
	TS				3,4										2	0	2	2
SRO-I (6)	RX		4												1	1	1	0
	NOR														0	1	1	1
	I/C		2,3,5, 8				3,4,5, 8,10	1,2,3,4 5,7,9							16	4	4	2
	MAJ		6				6,7	6							4	2	2	1
	Man. Ctrl		8				4								2	1	1	0
	TS							2,3							2	0	2	2
SRO-I (7)	RX														0	1	1	0
	NOR														0	1	1	1
	I/C						3,4,5, 8,10	1,2,3,4 5,7,9							12	4	4	2
	MAJ						6,7	6							3	2	2	1
	Man. Ctrl						4								1	1	1	0
	TS							2,3							2	0	2	2
RO-1	RX		4			1									2	1	1	0
	NOR														0	1	1	1
	I/C		2,3,5, 8			2,5,6,9				1,2,4,9					12	4	4	2
	MAJ		6			6,7				6					4	2	2	1
	Man. Ctrl		8			2,9				2					4	1	1	0
	TS														0	0	2	2
RO-2	RX					1									1	1	1	0
	NOR			1											1	1	1	1
	I/C			3,4,5, 7,9		2,5,6,9				1,2,4,9					13	4	4	2
	MAJ			6		6,7				6					4	2	2	1
	Man. Ctrl			3,4,7		2,9				2					6	1	1	0
	TS														0	0	2	2